

ABSTRACT

An adder 201-1 adds a signal selected by means of a switch 101, being a signal in which pilot symbol and demodulated data symbol replica signals have been 5 eliminated from a received signal, and a pilot symbol replica signal output from a replica signal buffer 112. A matched filter 202-1 detects the correlation between the output signal from the adder 201-1 and the spreading code assigned to user 1. A delay profile creator 203-1 10 creates a delay profile at the point at which a timing signal is input, and makes a threshold value decision for the correlation value, thereby estimating the reception timing of each path. By this means, it is possible to estimate reception timings with high 15 precision and achieve improved reception quality.

100-150-6762660